

CURRICULUM VITAE

Objective

To accept challenge that comes my way with an open attitude and reinforce my belief that being versatile is the way to success and growth of self and organization. In the process, I constantly update my knowledge and put my utmost efforts to deliver my best.

Personal Information

Dr. Danish Riaz
S/O Muhammad Riaz
(Ph.D. Zoology)

- **HEC-Approved Supervisor/**
- **Associate fellow Higher Education, UK/**
- **Serving as Assistant Professor (Zoology),
University of Education, Lahore, Pakistan**



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BIOGRAPHY

I am Dr. Danish Riaz and joined as Assistant Professor in Division of Science and Technology, the University of Education, Lahore Pakistan. I received PhD degree in Zoology from Government College University Faisalabad, Pakistan. I have won Associative fellowship UK and IPFP fellowship HEC Pakistan along with research project funding. I have more than 12 years professional teaching and research experience in Government and private sectors as Assistant Director Fisheries (Administrative position), Assistant Professor and lecturer. I have published a numbers research articles in Nation and International Impact factor and HJRS based HEC-recognized peer reviewed journals. I have received acknowledgement letter from Director Aqua Punjab Fisheries Department for remarkable performance in Punjab Fisheries Department. I have supervised several Postgraduate and PhD scholars as HEC approved Supervisor. I have also evaluated thesis of several postgraduate students of other universities as External examiners. I have organized several conferences, seminars, workshops in professional career as Chief Organizer. Eleven bacterial strains sequence submitted in Gene bank of NCBI (National Center for Biotechnology Information, USA) as First Scientist. Being a Zoologist, to expanding my professional horizon, potentials and efforts to promote eco-friendly aquaculture and fish nutrition industry as (SDG 14). My research interests are to improve the apparent nutrient digestibility of plant byproduct ingredients through the inclusion of probiotics. Preparation of cost-effective fish feed by optimizing the levels of probiotics for environment friendly aquaculture.

QUALIFICATION

Ph.D. Zoology, 2018. (1st Division)

Department of Zoology, Government College University, Faisalabad, Pakistan

Title: “Efficacy of probiotics supplementation on growth, carcass composition and nutrient digestibility of Indian major carp fingerlings fed oilseeds by-products-based diets”

M. Phil. Biotechnology, 2014. (1st Division)

Department of Bioinformatics and Biotechnology, Government College University, Faisalabad, Pakistan

Title: “Culturable diversity of lactic acid bacteria in fresh water *Labeo rohita* and *Cirrhinus mrigala*.”

BS Zoology, 2012. (1st Division)

Department of Zoology, Government College University, Faisalabad, Pakistan

FSc (Pre-Medical) 2007. (1st Division)

Government Science College Samnabad, Faisalabad, Pakistan

Matric Science 2005. (1st Division)

Govt. Comprehensive Model High School Samnabad, Faisalabad, Pakistans

PROFESSIONAL CAREER

- Currently serving as Assistant Professor (Zoology) at University of Education, Lahore, Faisalabad Campus from 26-11-2021 up to date.
- Served as IPFP fellow (Zoology) at University of Education, Lahore, Faisalabad Campus from 21-09-2020 to 25-11-2021
- Served as Assistant Professor in Punjab Group of College at Faisalabad from 01-10-2019 to 01-10-2020
- Served as lecturer in Punjab Group of college at Faisalabad from 01-02-2018 to 30-09-2019
- Served as Lecturer for Master classes from 01-10-2017 to 04 -10- 2018 in Govt. Postgraduate College Samanabad Faisalabad
- Worked Lecturer for Master classes from 04-09-2016 to 28-09-2017 in Govt. Postgraduate College Samanabad Faisalabad
- Served as Assistant Director Fisheries, Punjab Fisheries Department from 15-2-16 to 31-8-16.

- Served Two years as C.T.I (LECTURER) for Intermediate & BS Zoology (Master Classes) Classes from 01- 09-2013 to 17-10-2015 in Govt. Postgraduate College Samanabad Faisalabad.

ACKNOWLEDGEMENTS AWARDS DISTINCTIONS

- Achieved a certified status of the Associate Fellow (AFHEA), Higher Education, UK.
- Achieved a certified status of the IPFP fellowship Pakistan
- A letter of award as an HEC Approved PhD Supervisor in the discipline of Biological Sciences, for a period of three (03) years from Higher Education Commission Pakistan
- A Letters of acknowledgement from Govt. of Punjab Fisheries Department as seminar Organizer

RESEARCH PUBLICATIONS

1. Riaz, D., Hussain, S. M., Sarker, P., Ali, S., Naeem, A., Naeem, E., & Abul Farah., M. (2024). Use of protexin as a probiotic supplemented feed additive: Assessment of growth, digestibility, serum antioxidant enzymes activity and blood profile in *Cirrhinus mrigala*. *Frontiers in Sustainable Food Systems*, 8, 1449325
2. Mahmood, M., Hussain, S. M., Sarker, P. K., Ali, S., Arif, M. S., Nazish, N., Riaz, D., & Naeem, A. (2024). Toxicological assessment of dietary exposure of polyethylene microplastics on growth, nutrient digestibility, carcass and gut histology of Nile Tilapia (*Oreochromis niloticus*) fingerlings. *Ecotoxicology*, 33(3), 296-304.
3. Hussain, S.M., Naeem, E., Ali, S., Adrees, M., Riaz, D., Paray, B.A. and Naeem, A., (2024). Evaluation of growth, nutrient absorption, body composition and blood indices under dietary exposure of iron oxide nanoparticles in Common carp (*Cyprinus carpio*). *Journal of Animal Physiology and Animal Nutrition*, 108(2), 366-373.
4. Hussain, S. M., Hussain, A. I., Ali, S., Ahmad, N., Hussain, M., Riaz, D., and Shafqat, H. H., (2024). Plant Derived Oils As Substitute For Fish Oil In Diets For Rohu (*Labeo Rohita*): Effects on Growth Parameters, Nutrient Digestibility and Whole-Body Composition. *The Journal of Animal and Plant Science*. 34 (4). <https://doi.org/10.36899/JAPS.2024.4.0788>.
5. Ali, T., Hussain, S.M., Yousaf, Z., Saleem, M., Ahmad, N., Riaz, D. and Ahmad, B., (2024). Dietary Phytase Supplemented Moringa oleifera Leaf Meal Improved Growth and Nutrient Digestibility in *Cirrhinus mrigala*. *Pakistan Journal of Zoology*, 1-8. DOI: <https://dx.doi.org/10.17582/journal.pjz/20230804064512>.
6. Hussain, S. M., Jamil, M., Ali, S., Shahzad, M. M., Hussain, M., Riaz, D., & Ahmad, N. (2023). Gene Expression, Growth Performance and Body Composition of *Labeo rohita* Fingerlings Fed on Polyphenols Supplement. *Sains Malaysiana*, 52(12), 3357-3370.
7. Nasir, M. F., Naeem, M., Ali, K., Riaz, D., Ashraf, A., Ayub, A., & Shafi, J. (2023). HAEMATOLOGICAL PROFILE OF FARMED CLARIAS BATRACHUS WITH REFERENCE TO LENGTH AND WEIGHT FROM MULTAN, PAKISTAN. *Russian Law Journal*, 11(5), 1045-1053.

8. Nasir, M. F., Shahzad, M. A., NADEEM, M., SABIR, A. A., ALI, K., ASHFAQ, M., & RIAZ, D. (2023). Social dynamics of *Alectoris chukar*: Observing Behaviour & Responses in the context of Public from Zoos. *Onomázein*, (59 (2023): March), 67-80.
9. Riaz, D., Hussain, S. M., Hussain, M., Arsalan, M. Z. U. H., & Naeem, E. (2022). Probiotics Supplementation for Improving Growth Performance, Nutrient Digestibility and Hematology of *Catla catla* Fingerlings Fed Sunflower Meal-Based Diet. *Pakistan Journal of Zoology*.1-9. DOI: <https://dx.doi.org/10.17582/journal.pjz/20221010111027>.
10. Tariq, M., Sufi, A. A., ur Rehman, H., Ajmal, S. K., Riaz, D., Amjad, M., & Raza, M. H. (2022). Brain Tumor Classification Using Convolutional Neural Network with Neutrosophy, Super-Resolution and SVM. *Infinite Study. Webology*. (18).1.1785-1808.
11. Khalid, H., Kashif Zahoor, M., Riaz, D., Arshad, M., Yaqoob, R., & Ranian, K. (2022). Sewage sludge-induced effect on growth, enzyme inhibition, and genotoxicity can be ameliorated using wheat straw and biochar in *pheretima posthuma* earthworms. *Frontiers in Environmental Science*, 10, 888394.
12. N Ahmad, SM Hussain, SM Azam, MM Shahzad, A Noureen, R Yaqoob, M Lateef, A Yawer, D Riaz, A Usman., (2022). Effects of Se nanoparticles supplementation on growth performance, hematological parameters and nutrient digestibility of *Labeo rohita* fingerling fed sunflower meal based diet. *Brazilian Journal of Biology*. 84. <https://doi.org/10.1590/1519-6984.253555>.
13. Khalid, M. A., Hussain, S. M., Hussain, A. I., Asrar, M., Amjad, M., Riaz, D., & Arsalan, M. Z. U. H. (2022). Effect of lycopene supplementation on nutrient utilization, hematology, antioxidant status and growth performance of *Labeo rohita* fingerlings fed canola meal-based diet. *Pakistan Journal of Agricultural Sciences*, 59(5).
14. Ali, T., Bashir, M. H., Khan, B. S., Ghaffar, A., Riaz, D., Haq, M. Z., & Nazir, T. (2021). Response of sucking insect pest fauna towards Bt and Non Bt cotton genotypes under varying climatic condition. *Journal of Innovative Sciences*, 7(2), 304-311.
15. Hussain, S. M., Ahmad, N., Shahzad, M. M., Javid, A., Aslam, N., Hussain, M., & Riaz, D. (2020). Efficacy of phytase enzyme and citric acid on growth performance, nutrients and mineral digestibility of *Cirrhinus mrigala* fingerlings fed guar meal-based diet. *Iranian Journal of Fisheries Sciences*, 19(3), 1573-1588.
16. Riaz, D., Hussain, M., Sultana, T., & Sultana, S. (2018). Mineral digestibility of *Labeo rohita* fingerlings fed on *Moringa oleifera* seed meal based diets supplemented with probiotics. *Int J Biosci*, 13(1), 106-117.
17. Javid, A., Hussain, A. I., Aslam, N., Ali, Q., Hussain, M., Khalid, A., & Riaz, D. (2018). Replacement of fish meal with *Moringa oleifera* leaf meal (MOLM) and its effect on growth performance and nutrient digestibility in *Labeo rohita* fingerlings. *Pakistan J. Zool*, 50(5), 1815-1823.
18. Hussain, M., Hussain, S. M., Iqbal, R., Javid, A., Shahzad, M. M., Arsalan, M. Z. H., & Riaz, D. (2017). Effect of citric acid acidified *Moringa oleifera* seed meal based diet on nutrients digestibility and growth performance of *Cirrhinus mrigala* fingerlings. *International Journal of Agriculture & Biology*, 19(4), 719–725.
19. Shahid, M., Hussain, B., Riaz, D., Khurshid, M., Ismail, M., & Tariq, M. (2017). Identification and partial characterization of potential probiotic lactic acid bacteria in freshwater *Labeo rohita* and *Cirrhinus mrigala*. *Aquaculture Research*, 48(4), 1688-1698.
20. Arsalan, M. Z. H., Hussain, S. M., Asrar, M., Anwar, H., Rehan, M. M. H., Shahzad, M. M., & Wahab, N. (2016). Effects of *Moringa oleifera* leaf meal (MOLM) based diets on carcass composition and hematology of *Labeo rohita* fingerlings. *Journal of Biodiversity and Environmental Sciences*, 9(1), 214-223.

21. Shahzad, M. M., Hussain, S. M., Jabeen, F., Hussain, A. I., Arsalan, M. Z. H., Ahmad, N., & Riaz, D. (2016). Carcass composition and hematological study of *Catla catla* fingerlings fed on phytase supplemented *Moringa oleifera* leaf meal (MOLM) based diet. *Journal of Biodiversity and Environmental Sciences*, 9, 57-68.
22. Hussain, S. M., Ahmad, S., Shahzad, M. M., Arsalan, M. Z. H., Riaz, D., Ahmad, N., & Ahmed, A. W. (2016). Mineral digestibility of *Labeo rohita* fingerlings fed on cottonseed meal based diets supplemented with citric acid and phytase enzyme. *International Journal of Biosciences*, 8(2), 25-35.
23. Asrar, M., S. M. Hussain., S. Tabassum, A.I. Hussain., N. Aslam., M. Arshad., M.M. Shahzad., M. Hussain., M. Z. Arsalan., Riaz, D., 2016. Effect of citric acid supplementation on growth parameters of *Cirrhinus mrigala* fingerlings fed canola meal based test diets. *Journal of Biological and Environmental Sciences*.9: 381389.
24. Hussain, S. M., Nisar Ahmad, N. A., Farhat Jabeen, F. J., Arshad Javid, A. J., Nosheen Aslam, N. A., Majid Hussain, M. H., Riaz, D., & Shahzad, M. M. (2015). Effects of citric acid and phytase supplementation on nutrient digestibility and growth performance of *Cirrhinus mrigala* fingerlings fed on corn gluten (30%) meal based diets. *International Journal of Biosciences*.6, 7. 82-91.
25. Hussain, S. M., Shahzad, M. M., Muhammad Afzal, M. A., Arshad Javid, A. J., Mubarik, M. S., Shah, S. Z. H., ... & Danish Riaz, D. R. (2015). Efficacy of phytase enzyme for increasing mineral digestibility of *Cirrhinus mrigala* fingerlings fed on soybean meal-based diet. 1807-1816.
26. Hussain, S. M., Shahzad, M. M., Afzal, M., Javid, A., Mubarik, M. S., Shah, S. Z. H., & Riaz, D. (2015). Efficacy of phytase enzyme for increasing mineral digestibility of *Cirrhinus mrigala* fingerlings fed on soybean meal-based diet. *Pakistan Journal of Zoology*, 47(6), 1807-1816. (IF 0.404).
27. Hussain, S. M., Tasneem Hameed, T. H., Muhammad Afzal, M. A., Mubarik, M. S., Muhammad Asrar, M. A., Shah, S. Z. H., Riaz, D., & Khichi, T. A. A. (2014). Effects of phytase supplementation on mineral digestibility in *Cirrhinus mrigala* fingerlings fed on sunflower meal-based diets. *International Journal of Biosciences*.5(12).173-181.
28. Hussain, S. M., Shahzad, M. M., Jabeen, F., Nasir, S., Afzal, M., Javid, A., Riaz, D., & Furqan, M. (2014). Growth performance and nutrient digestibility of *Cirrhinus mrigala* fingerlings fed on soybean meal-based diet supplemented by phytase. *International Journal of Biosciences*., 5, 212-221.

Review Article

1. Hussain, S.M., Khurram, F., Naeem, A., Hussain Shah, S.Z., Sarker, P.K., Naeem, E., Arsalan, M.Z.U.H., Riaz, D., Yousaf, Z., Faisal, M. and Amjad, M., 2024. A review on the prospects and potentials of fishmeal replacement with different animal protein sources. *International Aquatic Research*, 16(1).
2. Lalarukh, Hussain, S.M., Ali, S., Zahoor, A.F., Azmat, H., Nazish, N., Alshehri, M.A., Riaz, D., Naeem, E. and Mahruk. (2024). Innovation of advanced polymers from seafood waste: Applications of chitin and chitosan. *Polymers for Advanced Technologies*, 35(6), e6471.

Areas of Research

- Aquaculture & Fisheries
- Biotechnology
- Zoology

Publication accession

(As first Scientist Author)

Eleven lactic acid bacterial strains sequence submitted in **Gene bank of NCBI (National center for biotechnology information, USA)** as First Scientist Author with given Accession numbers assigned.

Isolated code	Identification	Accession No.	Years
1. DR-1	<i>Stenotrophomonas maltophilia</i>	OR016513	2024
2. DR-2	<i>Bacillus cereus</i>	OR016514	2024
3. DR-3	<i>Stenotrophomonas maltophilia</i>	OR016515	2024
4. DR-4	<i>Pseudomonas aeruginosa</i>	OR016516	2024
5. DR-5	<i>Bacillus cereus</i>	OR016517	2024
6. RIMB4	<i>Staphylococcus</i> sp.	KP126903	2014
7. RIL10ii	<i>Weissella</i> sp.	KP126905	2014
8. RGMB2	<i>Bacillus</i> sp.	KP126907	2014
9. RGL6i	<i>Staphylococcus huminis</i>	KP126901	2014
10. CILB2	<i>Enterococcus faecalis</i>	KP126902	2014
11. CGMB 5	Uncultured bacterium clone nck310c02c1	KP126906	2014

RESEARCH PROJECTS

1st Research Project (Awarded Project & Successfully Completed)

Title: Effect of probiotics-based diet on growth, antioxidant, heamatology & Nutrient Digestibility of *Oreochromis niloticus*.

SRGP HEC project worth One million_won from HEC at University of Education, Faisalabad Campus

2nd Research Project (Applied Project)

Title: The development of micro-economic cost-effective fish industry at Pakistan.

I have also 2nd research project proposal has submitted for Social Transformation and Advancement'

TRAINING SESSIONS

- How to write a win-win scientific proposal Two Training at UE Lahore 2023
- IPFP Training of HEC Pakistan
- Faculty Development Program of NAHE HEC Pakistan

MEMBERSHIP OF LEARNED SOCIETIES

- Member of American Society for Microbiology, America
- In-charge The Zoological Society, Government College Samanabad, Faisalabad
- X-General Secretary of the Zoological Society Government College Faisalabad

PROFESSIONAL SKILLS

- Co-Stat, MSTATC and MINITAB (Statistical Analysis Software)
- Physico-chemical analysis of water and hydrological analysis of soil for site selection and feasibility of fish pond construction
- Hypophysiation (Artificial Breeding of Major & Chinese Carps)
- Chromatography (Specifically HPLC)

Oral PRESENTATIONS

- i. As Oral Presenter in World Fisheries Congress in Seattle, Washington, USA on March 3-7, 2024
- ii. As Oral Presenter in 9th International Istanbul Scientific Research Congress on May14-15, 2022 and orally presented the paper entitled "Efficacy of Probiotics Supplementation on Growth and Nutrient Digestibility of *Oreochromis niloticus* Fingerlings Fed *Moringa olifera* Oilseeds By-Products Based Test Diets".
- iii. As Oral Presenter in 4th International on Applied Zoology on November 24-25, 2021 entitled "Efficacy of probiotics supplementation on growth and nutrient digestibility of *Cirrhinus mrigala* fingerlings fed *Moringa olifera* oilseeds by-products based test diets".
- iv. As Oral Presenter in 4th International Conference on "New Trends in Biological Science" at University of Okara, on March 21-22, 2022 entitled "Efficacy of lycopene supplementation on growth and hematology of *Cirrhinus mrigala* fingerlings fed canola meal-based diet".
- v. As Participant in 1st International Two Days Conference on "Zoological Emerging Scientific Trends 2022" on January 18-19, 2022.
- vi. As Pakistanis Representor in Online training on "Role of Innovative Primary Health care for Sustainable Development" through collaboration of African-Asia Rural Development Organization (AARDO) and IITM Chennai India on March 22-25, 2022.
- vii. As participant in International webinar of Bridging borders series for celebrating international wetlands day held on 2nd February 2022.

- viii. As Participant and successful completion of all module of free online course on plagiarism in academic research conducted by lalatendu bidyadhara kumar barik on youtube from 15.05.2022 to 26.05.2022.
- ix. As participant in 1st International conference on recent approaches in plant sciences (raps-2022) on 30-31 March 2022 organized by UE Lahore.
- x. As participant in International webinar on “Global trends in combating Environment and Agriculture issues” held on 2nd February 2022.
- xi. As Pakistanis Representor in World Research Summit on “Qualitative research Methodology” through collaboration of IQAC Pareshkar College of Global Exchange, India on March 25, 2022.
- xii. As Pakistanis Representor in International Workshop on “Development Listening and Speaking skills in Children of Special care” through collaboration of Education for special Children by Ebily on April 24, 2022.

ABSTRACT PUBLICATIONS

1. Danish Riaz, Fayyaz Rasool¹, Shagufta Andleeb, Syed Makhdoom Hussain, Shakeela Parveen, Ali Hassan, Amina Ayub, Sana Aziz, Mati Ullah. 2024. Partial Phsio-chemical Characterization and Identification of Microbial Isolates Strains from Gut of Major Carp. World Fisheries Congress 2024
2. Danish Riaz, Syed Makhdoom Hussain, Fayyaz Rasool, Muhammad Nosheed, Shakeela Parveen, Azher Rasool, Adnan Khalid, Nisar Ahmad, Matti Ullah. 2023. “Efficacy of isolates strains on growth and hematological analysis of *Oreochromis niloticus* fingerlings”. International Congress on Scientific Research.
3. Danish Riaz^{1*}, Syed Makhdoom Hussain², Fayaz Rasool¹, Azher Rasool², Adnan Khalid², Nisar Ahmad³, Muhammad Mudassar Shahzad¹, Zubair ur Hassan Arsalan. 2023. Efficacy of multi-strains isolates probiotics supplementation on growth and nutrient digestibility of *Oreochromis niloticus* fingerlings fed *Moringa olifera* oilseeds by-products-based test diets. 6th International Conference on Applied Zoology (ICAZ-2023).
4. Danish Riaz¹, Ali Hassan^{*}, Syed Makhdoom Hussain², Fayyaz Rasool¹, Awais Maqsood², Majid Hussain³, Muhammad Salman. 2022. “Partial physio-chemical characterization and identification of microbial strains from gut of Major carps”. 5th International Conference on Applied Zoology (ICAZ-2022).
5. Danish Riaz^{1*}, Syed Makhdoom Hussain², Fayyaz Rasool¹, Adnan Khalid², Shakeela Parveen³. 2023. Efficacy of probiotic on growth and hematological analysis of *Catla catla* fingerlings. 6 th International Conference on Applied Zoology. Abstract O-5/ICAZ-2023.

6. Naila Hamidullah¹ , Muhammad Mudassar Shahzad¹ , Fatima Yasin¹ , Sadia Habib¹ , Muqadas Jabbar¹ , Waseem Abbas¹ , Danish Riaz² .2023. Study of Nigella sativa seed meal on Improvement of Mineral Absorption and Body Composition in *Cyprinus carpio* fingerlings. 6 th International Conference on Applied Zoology.
7. Adan Naeem, Syed Makhdoom Hussain, Danish Riaz, Adnan Khalid, Eman Naeem.2023. Metallic Zinc-Oxide Nanoparticles in the Diet of *Cirrhinus mrigala* Fingerlings: Effects on Growth, Nutrient Digestibility, Carcass Composition and Blood Indices. 6 th International Conference on Applied Zoology. Abstract O-76/ICAZ-2023.
8. Eman Naeem, Syed Makhdoom Hussain, Danish Riaz, Adnan Khalid, Adan Naeem.2023. Evaluation Of Growth, Nutrient Absorption, Body Composition And Blood Indices Under Dietary Exposure Of Iron Oxide Nanoparticles In Common Carp (*Cyprinus carpio*). 6 th International Conference on Applied Zoology. Abstract O-82/ICAZ-2023.
9. Mati Ullah¹ , Fayyaz Rasool² , Shakeela Parveen³ , Shahzad Ali⁴ , Danish Riaz⁵. 2023. Antibiotic Resistance and its Gene Profile in *Escherichia coli* Isolated from Diseased Farm-Raised Carps in Punjab, Pakistan. 6 th International Conference on Applied Zoology. Abstract O-162/ICAZ-2023.
10. Fayyaz Rasool¹ *, Mati Ullah², Shakeela Perveen³, Shahzad Ali⁴, Danish Riaz⁵. 2023. Molecular Characterization And Antimicrobial Resistance Among Diarrheagenic And Non-Diarrheagenic *Escherichia coli* From Healthy And Diseased Freshwater Farmed Fish. Abstract O-163/ICAZ-2023.
11. Muhammad Adnan Khalid, Syed Makhdoom Hussain, Danish Riaz, Adan Naeem, Eman Naeem. 2023. Potential Use of Biochar as A Dietary Supplement in Aquaculture: Assessing the Growth, Nutrient Absorption, Carcass Composition, Hematology And Mineral Status In *Labeo rohita* Fingerlings. Abstract O-208/ICAZ-2023.

LANGUAGES

- English
- Urdu
- Punjabi

EVENT/SEMINAR ORGANIZER HONORS AND AWARDS

CONFERENCES/SEMINARS/WORKSHOPS ETC AS ORGANIZED:

- National seminar (Physical Mode) on “Fish Industry Promotion” in collaboration of UAF. On 26th, October, 2023, UE Faisalabad Campus
- National Business Gala (Physical Mode) on “Entrepreneurship business Gala 2023” on 19th, 2023 at UE Faisalabad Campus
- National Seminar/ Training Workshop on “Punjab Heat Management Plan” 21st September, 2023 at UE Faisalabad Campus
- International Seminar/Webinar on “MEXT scholarship” on 12 October, 2023 at UE Faisalabad Campus

- “Two Day training on Taxidermy” 31th Jan. 1-February 2022. Department of Zoology, UE Faisalabad Campus
- Pet Exhibition “World Wildlife conservations” 21st December, 2022. Organized by Department of Zoology, UE Faisalabad Campus
- One Day International Seminar “Identification of species” on 7th December, 2022. Department of Zoology, UE Faisalabad Campus
- 2nd International two-day virtual conference of Zoology “Zoological Emerging Scientific Trends (ZEST)- Organized by Department of Zoology University of Education Lahore.
- One-day International Seminar (Physical Mode) on “Molecular Dynamics of Bone Development” to be held on June 22nd 2022
- One Day International seminar on role of syringes in Nanotechnology on 04 July 2022
- A National seminar/ Training workshop conducted on “Statistics for Science-Application of R-studio” (01-06-2022)
- One-day Seminar/Project Exhibition on “Promotion of Aquaculture” on 20th July 2022
- One Day Seminar on “How to published in High Impact Factor” on 24 June 2022
- **As Oral Presenter**, INTERNATIONAL KORKUT ATA SCIENTIFIC RESEARCHES CONFERENCE October 7-8, 2023/ ANKARA Turkey

National Workshops/Seminars/Conference as Participant

- As representative Member from Pakistan in International Training on “A Panorama of Affordable Innovative Technologies and Solutions for Rural Development” From 22 March to 01 April 2020 at Virtual platform of **AFRICAN-ASIAN RURAL DEVELOPMENT ORGANIZATION (AARDO) New Delhi, India**
- As Representative member from Pakistan in international Training workshop organized by **ICESO Kingdom Morocco, Rabat** on 14-15 December 2020
- As Oral Presenter in International conference on Applied Zoology 2020 at Quid-Azam University Islamabad
- As Poster-Presenter in **1st International Industrial Chemistry from Feb 26-28th, 2021 at University of Engineering & Technology, Karachi**
- An active certified participant in COVID-19 Pandemic And Role Of Microbiologist Organized by **American Society for Microbiology**
- An active certified participant in International Fisheries Day on 21 November organized by University of Education, Lahore
- Certificate of Diploma of Clinical Biochemistry in Agriculture University Faisalabad.
- Certificate of “ Training workshop on Wetland Management 2012 from G.C University Faisalabad
- Certificate of “ Fisheries Department Punjab Conference at Chama Lake district Mianwali
- Certificate of “Fisheries Conference From G.C University, Faisalabad Seminar Organizer of Govt. Punjab Fisheries Department

STUDENTS UNDER SUPERVISION

Sr. No.	Title Thesis Dissertation	Students/Registration	Degree Program/Years	Remarks
1	Efficacy of orange peel powder on growth performance and hematology of Rahu (<i>Labeo rohita</i>) Fingerlings	Madiha Hayat 22-UE-05293	MS Zoology/ 2024	Pass-out
2	Efficacy of Black cumin (<i>Nigella sativa</i>) on the growth performance and hematological indices of Thaila (<i>Catla catla</i>) fingerlings	Zunaira Arif 22-UE-05277	MS Zoology/ 2024	Pass-out
3	Effects of basal seeds (Ocimum basilicum) on growth performances and hematological Indices of Rohu (<i>Labeo rohita</i>) Fingerlings	Ammara Altaf 22-UE-05281	MS Zoology/ 2024	Pass-out
4	In vivo Bioactivity of mango (<i>Mangifera indica</i>) peel extracts on growth performance of Albino mice (<i>Mus musculus</i>)	Muhammad Manan Khan 19-UE-02887	MS Zoology/ 2024	Pass-out
5	Micronutrients compositions of human food consumption and its role in female Obesity	Sadaf Asghar 21-UE-05290	MS Zoology/ 2023	Pass-out
6	Dietary compositions of human food consumption and its effects on male Obesity and empirical data analysis	Aisha Asghar 21-UE-04580	MS Zoology/ 2023	Pass-out
7	Partial Phsio-chemical Characterization and identification of Microbial Isolates Strains from Gut of Major Carp for Diet of <i>Oreochromis niloticus</i>	Ali Hassan 21-UE-04979	MS Zoology/ 2023	Pass-out
8	Efficacy of probiotic on growth and hematological analysis of <i>oreochromis niloticus</i> fingerlings	MUHAMMAD NOSHEED 18-UE-03346	BS Zoology/ 2022	Pass-out
9	“Phylogenetic Analysis of Bacterial Infection Causing Agents in <i>Oreochromis niloticus</i> ”	MUHAMMAD SALMAN 18-UE-02829	BS Zoology/ 2022	Pass-out

10	Toxicological effect of micro-plastic on growth and hematology of <i>Labeo rohita</i> fingerlings fed commercial based diet	Muhammad Ikram Khan 18-UE-02829	BS Zoology/ 2022	Pass-out
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RESEARCH WORK

M. Phil. Thesis: “Culturable diversity of lactic acid bacteria in fresh water *Labeo rohita* and *Cirrhinus mrigala*.”

Ph. D. Thesis “Efficacy of probiotics supplementation on growth, carcass composition and nutrient digestibility of Indian major carp fingerlings fed oilseeds by-products-based diets”.

EXTERNAL EXAMINER

1. **M. Phil. Thesis** viva voice examination of Khudeja Afroz Roll No 94001, supervised by Dr. Azhar Rasul dated 01.09.22.
2. **M. Phil. Thesis** viva voice examination of Miss Faiza Rafique Regd. # 2020-ag-1059, supervised by Dr Shakeela Parveen vide CE 1109 dated 08.09.22.
3. **M. Phil. Thesis** viva voice examination of Mehak Arshad Roll No 2245K, supervised by Dr. Aqeela Zahra dated 15.11.2022.
4. **M. Phil. Thesis** viva voice examination of Urwa Iqbal Roll No 884K supervised by Dr. Aqeela Zahra dated 15.11.2022.
5. **M. Phil. Thesis** viva voice examination of Zikra Roll No 1241K, supervised by Dr. Aqeela Zahra dated 15.11.2022.
6. **M. Phil. Thesis** viva voice examination of Zoya Rohail Roll No 2019K supervised by Dr. Aqeela Zahra dated 15.11.2022.
7. **M. Phil. Thesis** viva voice examination of Samina Serwar Roll No 5354K 2019K supervised by Dr. Adeel Khalid dated 15.11.2022.
8. **M. Phil. Thesis** viva voice examination of M Anees Tabasam Roll No (USKT/20104024-112) supervised by Dr. Adeel Khalid dated 21.07.2023.
9. **M. Phil. Thesis** viva voice examination of Mamona Komal Roll No (USKT/20104024-044) supervised by Dr. Rabia Shabir dated 21.07.2023.
10. **M. Phil. Thesis** viva voice examination of Kashaf Fazal Keram Roll No (USKT/21204024-011) supervised by Dr. Saima Ashraf dated 21.07.2023.
11. **M. Phil. Thesis** viva voice examination of Sidra Maqsood Roll No (USKT/20104024-034) supervised by Dr. Rabia Shabir dated 21.07.2023.
12. **M. Phil. Thesis** viva voice examination of Tayyeba Mumtaz Roll No (USKT/20104024-25) supervised by Dr. Saadia Tabusum dated 21.07.2023.
13. **M. Phil. Thesis** viva voice examination of Zill -e-Urooj Sana Roll No (USKT/21204024-001) supervised by Dr.M Amjad Awan dated 21.07.2023.

14. **M. Phil. Thesis** viva voice examination of Anum Shehzadi Roll No (USKT/21104024-129) supervised by Dr.Sadaf Alyas dated 06.05.2024.
15. **M. Phil. Thesis** viva voice examination of ASAD SHABBIR Roll No (USKT/22204024-009) supervised by Dr.Saima Ashraf dated06.05.2024.
16. **M. Phil. Thesis** viva voice examination of MUHAMMAD AWAIS Roll No (USKT/22204024-025) supervised by Dr.Saima Ashraf dated 06.05.2024.
17. **M. Phil. Thesis** viva voice examination of Ghulam Fiza Roll No (USKT/21104024-126) supervised Dr.Saima Ashraf dated 06.05.2024.
18. **M. Phil. Thesis** viva voice examination of RIMSHA IMTIAZ Roll No (USKT/22204024-023) supervised by Dr.Saima Ashraf dated 06.05.2024.
19. **M. Phil. Thesis** viva voice examination of Mahnoor Zaidi Roll No 224239 supervised by Prof Dr.Saima Sultana dated 20.10.2023.
20. **M. Phil. Thesis** viva voice examination of Miss Asra Wajieha Regd. # 2021-ag-1575supervised by Dr. Shakeela Parveen vide CE 1650 dated 21.09.2023.
21. **M. Phil. Thesis** viva voice examination of Miss Ayesha Zia Regd. # 2021-ag-1549 supervised by Dr. Shakeela Parveen vide CE 1666 dated 21.09.2023.
22. **M. Phil. Thesis** viva voice examination of Sajid Ali Khan Roll No. M-ZOO-22302 supervised by Dr. Nisar Ahmad dated 26.07.2024.
23. **M. Phil. Thesis** viva voice examination of Munibah Rariq Roll No. M-ZOO-22307 supervised by Dr. Nisar Ahmad dated 26.07.2024.
24. **BS Thesis** viva voice examination of Muhammad Aftab Regd. # 20-UE-06534 supervised by Dr. Rana Muhammad Kamran Shabbir dated 27.05.2024.
25. **BS Thesis** viva voice examination of Arif Naeem Regd. # 20-UE-06928 supervised by Dr. Rana Muhammad Kamran Shabbir dated 27.05.2024.
26. **BS Thesis** viva voice examination of Furqan Haider Regd. # 20-UE-06367 supervised by Dr. Rana Muhammad Kamran Shabbir dated 27.05.2024.

ACADEMIC WORK

TO WHOM IT MAY CONCERN

The following courses have been taught by **Dr. Danish Riaz** from Fall 2021 to Spring 2024.

Fall 2021					
Program	Subject Name	Subject Code	Cr. Hrs.	Semester	Shift
MSc (Zoology)	Evolution and Principle of Systematics	ZOOL3116	4(3+1)	2 nd	Morning
BS (Zoology)	Animal Behaviors	ZOOL3114	1	5 th	Morning
BS (Chemistry)	Principle of Animal life-I	ZOOL1111	4(3+1)	1 st	Morning
BS (Zoology)	Fish culture	ZOOL4140	3(2+1)	7 th	Morning
BS (Zoology)	Animal Behaviors	ZOOL3114	3(2+1)	5 th (Visit)	Evening
BS (Zoology)	Economic Zoology	ZOOL4137	3(2+1)	7 th (Visit)	Evening

Spring 2022					
Program	Subject Name	Subject Code	Cr. Hrs.	Semester	Shift
MS (Zoology)	Fish Nutrition	ZOOL5157	3(3+0)	2 nd	Morning
MSc (Zoology)	Economic Zoology	ZOOL4137	1	3 rd	Morning
MSc (Zoology)	Principles of Fish Biology	ZOOL4157	3(2+1)	4 th	Morning
BS (Zoology)	Wildlife	ZOOL3119	2(2+0)	6 th	Morning
BS (Zoology)	Principles of Fish Biology	ZOOL4157	3(2+1)	8 th	Morning
BS (Zoology)	Principles of Fish Biology	ZOOL4157	3(2+1)	8 th (Visit)	Evening
Fall 2022					
Program	Subject Name	Subject Code	Cr. Hrs.	Semester	Shift
BS (Zoology)	Research Methodology	UERM5111	3(3+0)	1 st	Morning
MSc (Zoology)	Principles of Fish Biology	ZOOL4157	3(2+1)	4 th	Morning
BS (Zoology)	Animal Behaviors	ZOOL3114	3(2+1)	5 th	Morning
BS (Zoology)	Economic Zoology	ZOOL4137	3(2+1)	7 th	Morning
BS (Zoology)	Economic Zoology	ZOOL4137	3(2+1)	7 th	Evening
BS (Zoology)	Animal Behaviors	ZOOL3114	3(2+1)	5 th (Visit)	Evening
Spring 2023					
Program	Subject Name	Subject Code	Cr. Hrs.	Semester	Shift
PhD (Zoology)	Trends in Fish Nutrition	ZOOL7148	3(3+0)	1 st	Morning
MS (Zoology)	Fish Nutrition	ZOOL5157	3(2+1)	2 nd	Morning
BS (Zoology)	Fish Feeding Management	ZOOL4142	3(2+1)	8 th	Morning
BS (Zoology)	Fish Feeding Management	ZOOL4142	3(2+1)	8 th	Evening
BS (Zoology)	Principles of Fish Biology	ZOOL4157	3(2+1)	8 th	Morning
BS (Zoology)	Evolution and Principle of Systematics	ZOOL3116	4(3+1)	6 th (Visit)	Evening
Fall 2023					
Program	Subject Name	Subject Code	Cr. Hrs.	Semester	Shift
PhD (Zoology)	Trends in Molecular Biology	ZOOL7216	3(2+1)=4	2 nd	Morning
MSc (Zoology)	Principles of Fish Biology	ZOOL4157	3(2+1)=4	4 th	Morning
BS (Zoology)	Economic Zoology	ZOOL4137	3(2+1)=4	7 th (Visit)	Morning
BS (Zoology)	Economic Zoology	ZOOL4137	3(2+1)=4	7 th (Visit)	Morning
Spring 2024					
Program	Subject Name	Subject Code	Cr. Hrs.	Semester	Shift
PhD (Zoology)	Aquaculture Nutrition	ZOOL7120	3(3+0)	2 nd	Morning
MS (Zoology)	Applied Fisheries	ZOOL5161	3(3+0)	2 nd	Morning
BS (Zoology) A	Wildlife	ZOOL3119	2(2+0)	6 th	Morning
BS (Zoology)	Principles of Fish Biology	ZOOL4157	3(2+1)=4	8 th	Morning

Convener/Members University Level Committee

Category F: Administrative / Non-Academic Activities

(See Annexure VI)

(i) **Coordinator**

Coordinator, Department of Zoology UE Faisalabad Evening classes at University of Education, Faisalabad Campus vide notification UE/R/2023/270, dated June 05-2023.

(ii) **Co-Advisor of Society**

Notification vide UE/R/2023/1960, Dated 08-8-2023 as Co-advisor of Environmental Protection Society at the University of Education, Faisalabad Campus.

(iii) Convener /In-charge/Convener of Committees

- a. Convener,** Committee constituted for Intra-Campus Annual Floriculture Competition, 09-03-2023 vide Notification UEFC/2023/1227 as Convener of Media coverage Committee at University of Education, Faisalabad Campus.
- b. Convener,** Committee constituted for Intra-Campus Annual Prize Distribution Ceremony, Sport Gala, April, 01-2022 vide Notification UEFC/2022/369 as Convener of Refreshment Committee at University of Education, Faisalabad Campus.

(iv) Secretary/Member of Committees

- 1. Member,** Committee constituted the Interview selection of Visiting Faculty, 2024 at University of Education, Faisalabad Campus, vide notification No. UEFC/2024/422, dated August 13, 2024.
- 2. Member,** Committee constituted the Interview of PhD Committee for Admission fall 2024 (22-07-2024) at the University of Education, Faisalabad Campus, vide notification No. UEFC-A & R-2024/365, dated July 19, 2024.
- 3. Member,** Committee constituted the Admission fall, 2024 at University of Education, Faisalabad Campus, vide notification No. UEFC/A&R/2024/196, dated April 30, 2024.
- 4. Secretary,** as constituted the Departmental Synopsis Evaluation Committee MS/M.Phil. vide Notification no. UEFC/2022/777, dated November 08, 2022.
Higher Education Commission, Pakistan Approval to launch of PhD Zoology at University of Education, Faisalabad Campus vide notification No. D/2022/QAD/NOC/HEC/UOE/L/PhD/Zoology/122, dated December 08-2022.
- 5. Member,** Higher Education Commission, Pakistan Approval to launch of PhD Zoology at University of Education, Faisalabad Campus vide notification No. D/2022/QAD/NOC/HEC/UOE/L/PhD/Zoology/122, dated December 08-2022.
- 6. Member,** International Fisheries and Aquaculture Conference (08-9,2023) collaboration of University of Education, Lahore with Punjab University Lahore vide notification No. 12837, dated February 03-10, 2023.
- 7. Member,** 2nd Two days International Conference of Zoology 2023 (March 1,2, 2023) at University of Education, Lahore vide notification No. UE/DD-G/2023/382, dated February, 06-2023 in Press, Media and Advertisement Committee.
- 8. Member,** Selection of Visiting Faculty Committee, for the semester fall 2023 at University of Education, Faisalabad Campus vide notification No. UEFC/2023/1654, dated July 17, 2023.

9. **Member**, Committee constituted the purchase Committee for University of Education, Faisalabad Campus, vide notification No. UEFC/2023/1181, dated February 23, 2023.
10. **Member**, 2nd Two days International Conference of Zoology 2023 (March 1,2 ,2023) at University of Education, Lahore vide notification No. UE/DD-G/2023/382, dated February, 06-2023 in Overall Venue and Hall Management Committee.
11. **Member**, as constituted the Admission Committee Fall 2023 at University of Education, Faisalabad Campus, vide notification No. UEFC/2023/1566, dated June 16, 2023.
12. **Member**, as constituted the National Seerat Committee (November 16, 2023) at University of Education, Faisalabad Campus, vide notification No. UEFC/2023/945, dated October 10, 2023 in Print and Publication Committee
13. **Member**, as constituted the Entry Test Conducting Committee of English Access Micro-scholarship, August 08, 2023, at University of Education, Faisalabad Campus, vide notification No. UEFC/2023/1782, dated August 07, 2023.
14. **Member**, as constituted the UMS Data Entry and Data Verification Committee of English Access Micro-scholarship, August 08, 2023, at University of Education, Faisalabad Campus, vide notification No. UEFC/2023/1565, dated June 16, 2023.
15. **Member**, as constituted the Athletics Committee of Sport Gala, 2023 (March 06,07 2023, at University of Education, Faisalabad Campus, vide notification No. UEFC/2023/, dated March 2023.
16. **Member**, as constituted the Admission Committee of Fall, 2022 at University of Education, Faisalabad Campus,
17. **Member**, as constituted the UMS Data Entry and Data Verification Committee of Fall, 2022 at University of Education, Faisalabad Campus,
18. **Member**, as constituted the Admission Committee of Spring, 2022 at University of Education, Faisalabad Campus, vide notification No. UEFC/2022/102-A, dated February 08, 2022.
19. **Member**, as constituted the Table Tanis Committee of Sport Gala, 2022 (March 21-25, 2022, at University of Education, Faisalabad Campus, vide notification No. UEFC/2023/193, dated March 2, 2022.
20. **Member**, as constituted the Class-In charge of MSc Zoology, at University of Education, Faisalabad Campus, vide notification No. UEFC/ZOOL/2022/103, dated September 28, 2022.

REFERENCES

1. **Dr. Shahid Nadeem**
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